

A LIST OF THE TYPE-SPECIMENS OF ODONATA
IN THE BRITISH MUSEUM (NATURAL HISTORY)
PART II

BY
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A LIST OF THE TYPE-SPECIMENS OF ODONATA IN THE BRITISH MUSEUM (NATURAL HISTORY) PART II

Families Gomphidae, Cordulegasteridae, Petaluridae, Aeshnidae, Calopterygidae, Euphaeidae, Amphipterygidae & Chlorocyphidae.

By D. E. KIMMINS

CONTENTS

	Page
GOMPHIDAE	290
CORDULEGASTERIDAE	299
PETALURIDAE	300
AESHNIDAE	300
CALOPTERYGIDAE	304
EUPHAEIDAE	306
AMPHIPTERYGIDAE	307
CHLOROCYPHIDAE	308
REFERENCES	310

SYNOPSIS

A list of the type-specimens of Odonata in the British Museum (Natural History), belonging to the eight above-mentioned families has been prepared. Three hundred and seventy-eight taxa are dealt with and lectotypes are designated for 74 of these taxa.

INTRODUCTION

THIS list is a continuation of that published in 1968, *Bull. Brit. Mus. nat. Hist. (Ent.)* **22** (7) : 277-305, and follows the same general plan. The first part dealt with the families Libellulidae and Corduliidae. For convenience of working, a separate list of references is being given for the taxa in each part. The family names used in the Calopterygoidea are those given by Montgomery (1967, *Dt. ent. Z.*, N. F. **14** : 327-337). In the present paper, where the original author has specified 'Type ♂' (or 'Type ♀') I have accepted this as equivalent to Holotype, although this term may not have been current at that time.

This list was completed August 1968.

ERRATA (Kimmins, 1968)

Dr. E. Pinhey has drawn my attention to the following two errata in the above paper.

p. 286. Under *fraseri* Pinhey (*Olpogastra*). The author of the genus *Zygonoides* should be Fraser.

p. 290. *nigra* Longfield. Through a most unfortunate oversight, I have overlooked the fact that Miss Longfield did specify two examples in the type-series and that

the complete male was specified as the holotype. This entry should therefore read:—

nigra Longfield (ssp. of *Trithemis donaldsoni*), 1936 : 491–493, 496, figs. 9, 10. Holotype ♂. W. Africa, Principe I., Ogui Pipi, 1.1.1932, *W. H. T. Tams* / *Trithemis donaldsoni nigra* ssp. nov. Type ♂, det. Miss C. Longfield.

GOMPHIDAE

abdominalis McLachlan (*Gomphus*), 1884 : viii. Holotype ♂. Type [McL. label] / North China [interior] / *Gomphus abdominalis* McL.

Currently placed as *Gastrogomphus*, of which it is the type-species.

aberrans Selys (?*Hagenius*), 1873 : 506. Holotype ♀. India (*Lang*) / *Hagenius?* *aberrans* Selys ♀.

Currently placed in the genus *Davidius*.

abyssinicus Selys (*Onychogomphus*), 1878 : 426. LECTOTYPE ♀. Abyssinia / *Onychogomphus Abyssinicus* Selys ♀ / *Onychogomphus abyssinicus* Selys, Lectotype ♀, D. E. Kimmins det. 1959.

Currently placed in *Crenigomphus*.

acutus Laidlaw (*Ictinus*), 1914 : 51–52, pl. 1, fig. 1. Holotype ♂. Borneo, Sarawak, Baram, 18.x.1910 (*J. C. Moulton*) / Baram, 18.x.[19]10 / *Ictinus acutus* type [Laidlaw's writing].

Laidlaw states 'The type is in the British Museum [Nat. Hist.]; co-type, Sarawak Museum.'

aethiops Selys (*Phyllogomphus*), 1854 : 43. Holotype ♂. [Côte de Guinée] / Riv. Gambia / *Phyllog. aethiops* de Selys.

The 'Côte de Guinée' label is now missing. In the original description the specific name is misspelt 'aetiops'. The holotype is very discoloured and lacks apex of the right fore wing.

africanus Fraser (*Echinopterogomphus*), 1926. Kimmins, 1966 : 177.

ambigua Selys (*Gomphoides*), 1873 : 505. Holotype ♀. Guatemala / *Gomphoides* De Selys / *Gomphoides* [Selys writing] *ambigua* De Selys [WFK].

Currently placed in the genus *Negomphoides*.

amphiclitus Selys (*Austrogomphus*), 1873 : 757. Holotype ♂. Type [McL. label] / Queensland / Hemig. *amphiclytus* de Selys ♂ / *Austrogomphus* (Selys 1878) *amphiclitus* [*sic*] S. [Selys labels].

Currently placed in *Austroepigomphus*.

angeli Tillyard (*Austrogomphus*), 1913a : 233–235, pl. 15, figs. 3–7. LECTOTYPE ♂. S. Australia, Murray R[iver], Morgan, 28.xii.[19]09 (*S. Angel*) / *Austrogomphus angeli* Tillyd. ♂ TYPE R.J.T. / *Austrogomphus angeli* Till., ♂ Lectotype, D. E. Kimmins det. 1968.

Of 5 ♂, 6 ♀, syntypes listed by Tillyard, only the ♂ ♀ Types are in BM(NH); the dates of these agree with those given by Tillyard.

angulosus Selys (*Ictinus*), 1854 : 92. Holotype ♂. India [replacement for missing label] / *Ictinus angulosus* de Selys / *Ictinus angulosus* De Selys ♂.

Currently placed in *Ictinogomphus*.

angustipennis Selys (*Diaphlebia*), 1854 : 81. LECTOTYPE ♂. Para / *Gomph. angustipennis* de Selys / *Diaphlebia angustipennis* Selys, ♂ Lectotype, D. E. Kimmins det. 1968.

This specimen was incorrectly labelled holotype, since Selys had more than one example. The BM(NH) also has the allotype and 1 paralectotype.

annaimallaicus Fraser (race of *Lamelligomphus nilgiriensis*), 1934. Kimmins, 1966 : 171.

annularis Selys (*Onychogomphus*), 1894 : 167. LECTOTYPE ♂ (incomplete). North Birmah / *Onychogomphus annularis* n. sp. ♂, North Birmah, Type.

The second of the syntypes has not been traced in the McLachlan collection. The last four segments of the abdomen of the lectotype were missing at the time of description.

annulatus Selys (*Heterogomphus*), 1854 : 28. Holotype ♀. [Indes Collect. Saunders] / *Heterogomphus annulatus* de Selys.

The locality label was missing and has been replaced. Currently placed in the genus *Macrogomphus*. Fraser (1934 : 344) gives the locality as probably India.

appendiculatus Kirby (*Gomphoides*), 1899 : 368-369, pl. 15, fig. 3. Holotype ♂. La Chorrera, Panama / *Gomphoides appendiculatus* Kb. *type* [WFK].

Currently placed in the genus *Negomphoides*.

aquicola Fraser (*Agriogomphus*), 1943. Kimmins, 1966 : 179.

arbustorum Tillyard (*Austrogomphus*), 1906 : 547-549, pl. 34, fig. 1. LECTOTYPE ♂. [N. Queensland] Kuranda, xii.[19]04 / *Austrogomphus arbustorum* Till. ♂ TYPE. R.J.T. / *Austrogomphus arbustorum* Till., ♂ Lectotype, D. E. Kimmins det. 1968.

arenarius Tillyard (*Austrogomphus*), 1906 : 549-551, pl. 34, fig. 2. LECTOTYPE ♂. [N. Queensland] Kuranda, xii.[19]04 / *Austrogomphus arenarius* Till. ♂ TYPE, R.J.T. / *Austrogomphus arenarius* Till., ♂ Lectotype, D. E. Kimmins det. 1968.

Currently placed as a synonym of *Antipodogomphus proselytus* (Selys). In the lectotype, the upper part of the superior appendages has been broken.

armatus Selys (*Dromogomphus*), 1854 : 59. Holotype ♂. ?N. America [replacement for missing label] / *Dromog. armatus* de Selys / *Dr. armatus* DeSelys.

armiger Tillyard (*Austrogomphus*), 1919 : 577-578, pl. 62, figs. 6-8. LECTOTYPE ♂. W. A[ustralia], Waroona, 7.xi.[19]11 (*G. F. Berthoud*) / *Austrogomphus armiger* Till., ♂ TYPE, R.J.T. / *Austrogomphus armiger* Till., ♂ Lectotype, D. E. Kimmins det. 1968.

Currently placed in the genus *Hemigomphus*.

auricolor Fraser (*Gomphus*), 1926. Kimmins, 1966 : 181.

australis Selys (*Ictinus*), 1873 : 769-771. LECTOTYPE ♂. Type [McL. label] / Queensland / *Ictinus australis* de Selys ♂ [Selys' writing] / *Ictinus australis* Selys, ♂ Lectotype, D. E. Kimmins det. 1968.

Currently placed as *Ictinogomphus*.

bicornutus Fraser (*Gomphus*), 1922. Kimmins, 1966 : 182.

bidens Selys (*Neogomphus*), 1878 : 470. Holotype ♂. Valparaiso, El Salto (*Mathews*) / *Neogomphus bidentatus* [*sic*] H. ♂ El Salto / *Neogomphus bidens* Selys, ♂ Holotype, D. E. Kimmins det. 1968.

bidentatus Fraser (*Leptogomphus*), 1930. Kimmins, 1966 : 182.

bifurcatus Tillyard (*Austrogomphus*), 1909 : 244, 245, pl. 22, figs. 2, 9, pl. 23, figs. 9, 10. LECTOTYPE ♂. [N. Queensland], Atherton, iv.[19]07 / *Austrogomphus bifurcatus* Till., ♂ TYPE, R.J.T. / *Austrogomphus bifurcatus* Till., ♂ Lectotype, D. E. Kimmins det. 1968.

bison McLachlan (*Ophiogomphus*), 1873 : 496. Holotype ♀ (lacking abd. segs. 5-10). N. California (*Walsingham*) / *Ophiogomphus bison* Selys ♀.

bodkini Campion (*Zonophora*), 1920 : 136-138, pl. 7, figs. 10-14. Holotype ♀. British Guiana, Tumatumari R., Potaro, xii.1918 (*G. E. Bodkin*) / *Labium*, hypopharynx, maxillae and ova mounted on separate slides / *Zonophora bodkini* Campion, Holotype, Determined by H. Campion.

Currently placed as a synonym of *Zonophora batesi* Selys.

borealis McLachlan, *in* Selys (*Progomphus*), 1873 : 764. Holotype ♂. Type [McL. label] / N. California (*Walsingham*) / *Prog. borealis* ♂ [Selys' writing] / *Progomphus borealis* Selys ♂. Holotype, in spite of difference in locality, D. E. Kimmins det. 1968.

Currently placed as a synonym of *Gomphoides obscurus* (Rambur).

The holotype is labelled as above, although Selys gives 'Oregon' as the locality. One cannot say whether Selys or McLachlan is responsible for the error. The species has been recorded for both states.

borneensis Laidlaw (ssp. *Heterogomphus icterops* Martin), 1914 : 57-58, pl. 1, fig. 3. Holotype ♂. [Borneo, Matang Rd., 28.iii.1910] Sarawak Mus. (*J. C. Moulton*) / *Heterogomphus icterops borneensis* ♂ Type [Laidlaw's label].

Currently placed as a synonym of *Megalogomphus icterops* (Martin).

borikhanensis Fraser (*Macrogomphus*), 1933. Kimmins, 1966 : 183.

brevipes Selys (*Aphylla*), 1854 : 78. Lectotype ♂ (designated by Belle, in press, 1968).

Para / 35 / *brevipes* De Selys ♂ / *Aphylla brevipes* S. Lectotype. Rev. J. Belle, 1967.

burmicus Fraser (*Microgomphus*), 1925. Kimmins, 1966 : 184.

butoloensis Fraser (*Notogomphus*), 1952. Kimmins, 1966 : 184.

cacharicus Fraser (*Lamellogomphus*), 1924. Kimmins, 1966 : 184.

calverti Kirby (*Cyclophylla*), 1897 : 613-614. Holotype ♂. Lower Amazon, Parana de Buyassu, 15.i.[18]96 (*E. E. Austen*) / W. end of Parana de Buyassu, 15.i.[18]96 / *calverti* Kb. [WFK].

Currently placed in *Phyllocyca*. In the original description, the specific name was printed '*Calverti*'. The penis was removed and mounted in canada balsam by H. Campion.

camelus Calvert (*Epigomphus*), 1905 : 170, 172, pl. 8, figs. 1-3. Holotype ♂. Costa Rica, Carillo (*Underwood*) / *Epigomphus camelus* Calv. P. P. Calvert det., 1905. B.C.A. Neur., p. 175. TYPE, Original of pl. viii, figs. 1-3.

The abdomen is now fragmented and glued on a card.

camerunensis Longfield (*Microgomphus*), 1951 : 98-100, figs. 1A-F. Holotype ♀. British Cameroons, Kumba, Police Stn. stream, 23.v.1950 (*F. O'Rourke*) / *Microgomphus camerunensis* sp. nov. Holotype ♂, det. Miss C. Longfield.

campioni Fraser (*Orogomphus*), 1924. Kimmins, 1966 : 185.

carpenteri Fraser (*Nilogomphus*), 1928. Kimmins, 1966 : 185.

caudalis Fraser (*Anisogomphus*), 1926. Kimmins, 1966 : 186.

cauvericus Fraser (*Burmagomphus*), 1926. Kimmins, 1966 : 186.

cervus Fraser (*Heliogomphus*), 1942. Kimmins, 1966 : 186.

ceylonicus Laidlaw (*Heterogomphus*), 1922 : 412-413, fig. 21. Holotype ♂. Ceylon (*Yerbury*) / Huldamura, 10.vi.[18]92 / *Heterogomphus ceylonicus* Laidlaw, ♂ Holotype, det. D. E. Kimmins.

Currently placed in the genus *Megalogomphus*.

chichibui Fraser (*Gomphus*), 1936. Kimmins, 1966 : 186.

circularis Selys (?*Onychogomphus*), 1894 : 165. Lectotype ♂ (by designation of Fraser, 1934 : 263). North Birmah / yellow label / *Onychogomphus circularis* ♂ Selys n. sp. Type.

Fraser's designation is 'One pair in the McLachlan collection, from Upper Burma, the male being the type.'

coloratus Kimmins (*Phyllogomphus*), 1931 : 217-219, figs. A-C. Holotype ♂. West Africa: Fernando Po, 650 ft., End of Wet Season (*W. Cooper*) / *Phyllogomphus coloratus* Kimmins, Type ♂, det. D. E. Kimmins, 1930.

comitatus Tillyard (*Austrogomphus*), 1909 : 245-248, pl. 22, figs. 3, 10, pl. 23, figs. 1, 2. LECTOTYPE ♂. N. Q[ueensland], Cooktown, i.[19]08 (*R. J. Tillyard*) / *Austrogomphus comitatus* Till., ♂ TYPE, R.J.T. / *Austrogomphus comitatus* Till., ♂ Lectotype, D. E. Kimmins det. 1968.

Currently placed as a synonym of *Hemigomphus gouldi* (Selys).

confraternus Selys (*Gomphus*), 1873 : 744. LECTOTYPE ♂. California (*Edwards*) / *Gomphus confraternus* de Selys, ♂ / *Gomphus confraternus* Selys, ♂ Lectotype, D. E. Kimmins det. 1968.

The female allotype is labelled 'N. California, Walsingham', not 'California, Edwards' as stated by Selys.

- cornutus** Pinhey (*Crenigomphus*), 1956 : 83-84, fig. 1. Holotype ♂. Rhodesia, Vict[oria] Falls, i. 1956 [*E. Pinhey*], Nat. Mus. S. Rhodesia / TYPE ♂, *Crenigomphus cornutus* Pinh. 1956.
- cyaneofrons** Fraser (*Gomphus*), 1923. Kimmins, 1966 : 187.
- delineatus** Fraser (ssp. *Davidius zallorensis*). Kimmins, 1966 : 188.
- demerarae** Selys (?*Cyanogomphus*), 1894 : 173. Holotype ♀. Demerara / *Cyanogomphus?* *demerarae* n. sp. ♂ [Selys' writing] Type [McL. writing].
Abdominal segments 6-10 lacking. Currently placed in *Ebegomphus*.
- diadophis** Calvert (*Erpetogomphus*), 1905 : 167, pl. 7, figs. 35, 47. Holotype ♂. [United States], Texas / *Erpetogomphus diadophis* Calv. TYPE. P. P. Calvert det. 1905. B. C. A. Neur., p. 167. Original of pl. vii, figs. 35, 47.
- [**diminutivus** Fraser (*Onychogomphus*), 1924. Not traced in Fraser collection. Kimmins, 1966 : 189].
- dingavani** Fraser (*Onychogomphus*), 1924. Kimmins, 1966 : 189.
- doddi** Tillyard (*Austrogomphus*), 1909 : 249-251, pl. 22, fig. 5, pl. 23, fig. 5. Holotype ♂. N. Q[ueensland], Kuranda, xi. [19]06 (*F. P. Dodd*) / *Austrogomphus Doddi* Till., ♂ TYPE, R. J. T.
- drummondi** Fraser (*Lamellogomphus*), 1924. Kimmins, 1966 : 190.
- duarensis** Fraser (*Burmagomphus*), 1922. Kimmins, 1966 : 190.
- duaricus** Fraser (*Onychogomphus*), 1924. Kimmins, 1966 : 190.
- dundomajoricus** Fraser (*Phyllogomphus*), 1957. Kimmins, 1966 : 190.
- dundominusculus** Fraser (*Phyllogomphus*), 1957. Kimmins, 1966, 190.
- echinoccipitalis** Fraser (*Onychogomphus*), 1922. Kimmins, 1966 : 190.
- elongatus** Selys (*Gomphus*), 1854 : 58. Holotype ♀. North America [replacement for missing label] / *Gomphus elongatus* de Selys / *Gomph. elongatus* De Selys ♀.
Currently placed as synonym of *Gomphus notatus* Rambur.
- epophthalmus** Selys (*Gomphus*), 1872 : 31. LECTOTYPE ♂. [Irkutsk], Sibir. orient. (*Maa[c]k*) / Type [McL. label] / *Gomphus epophthalmus* Selys / *Gomphus epophthalmus* Selys, ♂ Lectotype, D. E. Kimmins det. 1968.
- eutainia** Calvert (*Erpetogomphus*), 1905 : 162, pl. 7, figs. 24-27, 39. Holotype ♂. [Mexico], Guerrero, R. Papagaio, x. (*H. H. Smith*) / *Erpetogomphus eutainia* Calvert, P. P. Calvert det. 1905 / B.C.A. Neur., p. 162, Original of pl. 7, figs. 24-27, 39.
- exilis** Selys (*Gomphus*), 1854 : 55. Holotype ♂. 'R' on small diamond of blue paper / *Gomphus exilis* de Selys / *Gomph. exilis* de Selys / *Gomph. exilis* De Selys ♂.
- femoralis** Laidlaw (*Merogomphus*), 1931 : 210. Holotype ♂. F. M. S., Selangor, Kuala Lumpur, 6. vi. 1921 (*H. M. Pendlebury*) / *Merogomphus femoralis* ♂, n. sp. Type [Laidlaw's writing].
- flavicolor** Fraser (*Heterogomphus*), 1923. Kimmins, 1966 : 192.
- flavifrons** Fraser (*Notogomphus*), 1952. Kimmins, 1966 : 192.
- flavifrons** Selys (*Onychogomphus*), 1894 : 164. Holotype ♀ (teneral). Madagascar, Fianárantsoa / *Onychogomphus flavifrons* Selys n. sp. (*aequistyla?*) ♀ Type.
The word 'Type' on the determination label is in McLachlan's writing.
- fletcheri** Fraser (*Gomphidia*), 1923. Kimmins, 1966 : 192.
- fraseri** Kimmins (*Ictinogomphus*), 1958 : 354-357, figs. 4a-c, 5a-b, 6a. Holotype ♂. W. Africa, Sierra Leone, Port Lokko, 3. v. 1912 (*J. J. Simpson*) / *Ictinogomphus fraseri* Kim., ♂ Type, D. E. Kimmins det. 1958.

frontalis Selys (*Onychogomphus*), 1878 : 428-429. Holotype ♀. Tennasserim / Moolai to Morlat, 4-5,000 / *Onychogomphus frontalis* Selys ♀ Moolai.
Currently placed in *Paragomphus*.

fujiacus Fraser (*Gomphus*), 1936. Kimmins, 1966 : 193.

fujiana Fraser (*Davidius*), 1936. Kimmins, 1966 : 193.

gynostylus Fraser (*Cyclogomphus*), 1926. Kimmins, 1966 : 194.

hannynghoni Fraser (*Heterogomphus*), 1923. Kimmins, 1966 : 194.

hasimaricus Fraser (*Burmagomphus*), 1926. Kimmins, 1966 : 195.

henryi Laidlaw (*Mesogomphus*), 1928 : 131. Holotype ♂. Ceylon, Urugalla, 3,000 ft., 16.iv.1924, with on reverse (*G. M. Henry*) / *Mesogomphus henryi* n. sp. Laidlaw (MSS) holotype ♂.

Currently placed in the genus *Paragomphus*. The locality label incorrectly gave the collector's name as F. F. Laidlaw.

heterostylus Selys (*Cyclogomphus*), 1854 : 62. Holotype ♂. North Ind[ia] / *Gomphus heterostyla* ♂ De Selys [with on reverse, *Gomphus globifer* de Selys] / *Cyclog. heterostylus* de Selys.

immisericors Campion (*Notogomphus*), 1923 : 667-669. Holotype ♀. Brit. E. Africa, Nandi Plateau, 5,700-6,200 ft., 4.vi.1911 (*S. A. Neave*) / 'A' preying on 'A1' / *Notogomphus rueppeli* Selys forma ♀, Table 1, no. 19 / *Notogomphus immisericors* Campion ♀ Holotype.

inclitus Selys (*Leptogomphus*), 1878 : 444. Lectotype ♀ (Fraser, 1934 : 365). Type [McL. label] / Tenasserim / Moolai 3-6,000 / *Leptogomphus inclitus* S., ♀, Moolai / *Leptogomphus inclitus* Selys, ♀ Lectotype, F. C. Fraser, 1934.

I am accepting Fraser's statement 'The *type* (in the McLachlan collection) from Moolai, Lower Burma . . .' as equivalent to a designation of lectotype.

inglisi Fraser (*Lamellogomphus*), 1924. Kimmins, 1966 : 197.

inglisi Fraser (*Stylogomphus*), 1922. Kimmins, 1966 : 198.

insularis Laidlaw (ssp. *Burmagomphus vermicularis*), 1914 : 55-57, pl. 1, fig. 2. Holotype ♂. Sarawak, Borneo (*J. C. Moulton*) / *Burmagomphus vermiculatus* Martin / subsp. n. *insularis* Type / [last two labels in Laidlaw's writing].

Currently treated as a distinct species. The ninth and tenth segments, with appendages, have been softened and preserved in glycerine.

kalarensis Fraser (*Heliogomphus*), 1934. Kimmins, 1966 : 198.

kerri Fraser (*Macrogomphus*), 1932. Kimmins, 1966 : 199.

kerri Fraser (*Onychogomphus*), 1933. Kimmins, 1966 : 199.

kimminsi Belle (*Gomphoides*), [in press]. Holotype ♂. Tuc[uman], Dep. Famaila, Fronterita, 28.xi.1942 (*Aves*) / *Gomphoides gracilis* Selys [F. C. Fraser det.] / *Gomphoides kimminsi* sp. n. Holotype. Det. J. Belle, 1968.

kodaguensis Fraser (*Gomphidia*), 1923. Kimmins, 1966 : 199.

kumaonensis Fraser (*Davidius*), 1926. Kimmins, 1966 : 199.

laidlawi Fraser (*Burmagomphus*), 1924. Kimmins, 1966 : 200.

lateralis Selys (*Hemigomphus*), 1873 : 501. Holotype ♀ (abdomen missing). N. Aust[ralia] / *Hemigomphus*? [Selys' writing] *lateralis* De Selys (type) [WFK writing].

Currently placed in *Austrogomphus*.

lecythus Campion (*Notogomphus*), 1923 : 664-667, figs. 3, 4. Holotype ♂. Abyssinia, [Lake] Tsana, Zegi, v-vi 1902 (*Degen*) / *Notogomphus lecythus* Campion ♂ Holotype. Determined by H. Campion.

lieftincki Fraser (*Heliogomphus*), 1942. Kimmins, 1966 : 201.

- lilliputians** Fraser (*Microgomphus*), 1923. Kimmins, 1966 : 201.
- lindgreni** Fraser [*Onychogomphus*], 1923. Kimmins, 1966 : 201.
- lividus** Selys (*Gomphus*), 1854 : 53. Holotype ♀. United States [replacement for missing label] / *Gomphus lividus* de Selys / *Gomphus lividus* De Selys ♂.
- longistigma** Fraser (*Indogomphus*), 1922. Kimmins, 1966 : 202.
- longus** Martin (ssp. *Notogomphus rueppeli*), 1915 : 36, pl. 2, fig. 6; *Campion*, 1923 : 660. Holotype ♀. Uganda, Nairobi Plains, 5,400 ft., 16.v.1900 (*R. Crawshay*) / B. E. Africa, R. Crawshay / *Notogomphus Rüppeli* Selys, forme *longus* Martin nova subspecies, Type.
- loogali** Fraser (*Microgomphus*), 1923. Kimmins, 1966 : 202.
- maacki** Selys (*Gomphus*), 1872 : 15. Holotype ♂. Type [McL. label] / Sibir. orient., [Irkutsk] (*Maa[c]k*) / *Gomphus maacki* [*sic*] Selys ♂.
Currently placed in the genus *Anisogomphus*. The specific name is correctly spelt in the original description.
- maclachlani** Selys (*Gomphidia*), 1873 : 767. LECTOTYPE ♂. Type [McL. label] / Labuan / 300 [blue label] / *Gomphidia McLachlani* de Selys ♂ / *Gomphidia maclachlani* Selys, ♂ Lectotype, D. E. Kimmins det. 1968.
- maclachlani** Selys (*Onychogomphus*), 1878 : 168. Holotype ♀. North Birmah / yellow label / *Onychogomphus McLachlani* Selys n. sp. ♀, N. Birmah Type.
- madi** Pinhey (*Gomphidia*), 1961 : 64-65, pl. 3, figs. 4-8. Holotype ♂. Uganda, West Nile, West Madi, Ara, vi.1954 (*T. H. E. Jackson*) / *Gomphidia madi* Pinh. HOLOTYPE.
- magnus** Fraser (*Paragomphus*), 1952. Kimmins, 1966 : 202.
- malabarensis** Fraser (*Lamellogomphus*), 1924. Kimmins, 1966 : 203.
- malayanus** Laidlaw (*Acrogomphus*), 1925 : 443. Holotype ♂. Pulo Aor, off E. coast of Johore, 12.vi.[18]72 (*R.H.*) / 10 / *Acrogomphus malayanus* (Holotype ♂) [Laidlaw's writing].
- malloryi** Fraser (*Davidius*), 1926. Kimmins, 1966 : 203.
- manifestus** Tillyard (*Austrogomphus*), 1909 : 248-249, pl. 22, figs. 4, 9. Holotype ♀. N. Q[ueensland], Kamerunga, ii.[19]09 (*E. Allen*) / *Austrogomphus manifestus* Till., ♀ TYPE, R.J.T.
Currently placed as synonym of *Antipodogomphus acolytus* (Selys, *in* Martin). Tillyard gives the locality of the unique type as Kuranda, N. Q., January. The above specimen, which agrees well with the description, is labelled Kamerunga, February, and I suspect that the locality given by Tillyard is an error.
- martini** Fraser (*Davidiodes*), 1924. Kimmins, 1966 : 203.
- melaleuca** Tillyard (*Austrogomphus*), 1909 : 241-244, pl. 22, figs. 1, 9, pl. 23, figs. 9, 10. LECTOTYPE ♂. New South Wales, Sydney [Auburn, Duck Creek], xi.[19]07 (*R. J. Tillyard*) / *Austrogomphus melaleuca* Till., ♂ TYPE, R.J.T. / *Austrogomphus melaleuca* Till., ♂ Lectotype, D. E. Kimmins det. 1968.
Currently placed as a synonym of *Austroepigomphus praeruptus* (Selys).
- m-flavum** Selys (*Onychogomphus*), 1878 : 169. LECTOTYPE ♂. Darjeeling / *Onychogomphus M-flavum* Selys, ♂ Lectotype, D. E. Kimmins det. 1968.
Fraser (1934 : 254) restricts the type to material in the McLachlan collection and I have therefore made the above lectotype designation.
- minor** Laidlaw (*Acrogomphus*), 1931 : 215-217. LECTOTYPE ♂. F. M. S., Selangor, Kuala Lumpur, 22.vii.1922 (*H. M. Pendlebury*) / *Acrogomphus minor* ♂ Type [Laidlaw's writing] / *Acrogomphus minor* Laidlaw, ♂ Lectotype, D. E. Kimmins det. 1968.
In the original description, the account of the male is preceded by a female sign.

minusculus Selys (?*Cyclogomphus*), 1878 : 468. Holotype ♀. Tenasserim / Moolai to Morlut, 4-5,000 ft. / *Cyclogomphus minusculus* Selys, ♀, Moolai / I believe this to be the type of *Cyclogomphus minusculus* Selys, 1878. det. Miss C. Longfield, 1950.

Currently placed in *Microgomphus*.

moka Longfield (*Paragomphus*), 1936 : 478, fig. 5. Holotype ♂. Fernando Po, Moka, 28.i-3.ii.1933 (*W. H. T. Tams*) / *Paragomphus moka* sp. nov. Type ♂, det. Miss C. Longfield.

Currently placed as synonym of *P. abnormis* Karsch.

montanus Fraser (*Phyllogomphus*), 1957. Kimmins, 1966 : 204.

moundi Fraser (*Phyllogomphus*), 1960. Kimmins, 1966 : 205.

nigrescens Pinhey (*Onychogomphus*), 1952. See *styrx* Pinhey, 1961.

nigricolor Fraser (*Hagenius*), 1924. Kimmins, 1966 : 206.

nilgiriensis Fraser (ssp. of *Onychogomphus biforceps*), 1922. Kimmins, 1966 : 206.

nyasicus Kimmins (*Paragomphus*), 1955 : 111-113, fig. 3. Holotype ♂. Nyasaland, 'Ramens' [West shore of L. Nyasa, about 12 miles N. of Fort Johnston], 11.i.1947 / *R. H. Lowe & R. C. Wood* / *Paragomphus nyasicus* ♂ Kim., Holotype.

obscura Kirby (*Cyclophylla*), 1899 : 369-370, pl. 15, fig. 4. Holotype ♂. Panama, La Chorrera / *Cyclophylla obscura* Kb. type [WFK writing].

occidentalis Fraser (*Phyllogomphus*), 1957. Kimmins, 1966 : 207.

occidentalis Tillyard (*Austrogomphus*), 1908 : 729-732, pl. 35, figs. 5-6, pl. 36, fig. 3. LECTOTYPE ♂. W. A[ustralia], Margaret R., i.[19]07 (*R. J. Tillyard*). / *Austrogomphus lateralis* Selys. ♂ TYPE, R.J.T. / *Austrogomphus occidentalis* Till. ♂, D. E. Kimmins det. 1959 / *Austrogomphus occidentalis* Till., ♂ Lectotype, D. E. Kimmins det. 1968.

In the Tillyard Bequest material there was no example labelled as Type ♂ of *occidentalis*. There was, however, a ♂ from the type locality, Margaret R., i.1907, labelled by Tillyard as *Austrogomphus lateralis* Selys ♂ Type (i.e., allotype), with which species Tillyard suspected his *occidentalis* to be synonymous. I have therefore designated this specimen as the lectotype of *Austrogomphus occidentalis* Till.

Currently placed as a synonym of *Austrogomphus lateralis* Selys.

occipitalis Selys (*Gomphus*), 1854 : 45. LECTOTYPE ♀. [Locality label missing] / *Gomphus occipitalis* Selys / *Gomphus occipitalis* ♀ de Selys / *Gomphus occipitalis* Selys, ♀ Lectotype, D. E. Kimmins det. 1968.

This example has for many years carried a holotype label; this cannot be correct, as examples of both sexes were available to Selys and he did not designate a type. The 'occiput noire profondément échancré au milieu' mentioned by Selys, appears to be an artefact.

Currently placed in the genus *Anisogomphus*.

odoneli Fraser (*Gomphus*), 1922. Kimmins, 1966 : 207.

olivaceus Selys (*Gomphus*), 1873 : 749. Holotype ♀. N. California (*Walsingham*) / *Gomphus olivaceus* de Selys, an *plagiatus*? / Original of figs. 1, 6, 8, pl. viii, *Ent. News*, vol. xiv. P. P. Calvert.

ophibolus Calvert (*Erpetogomphus*), 1905 : 163, 164, pl. 7, figs. 30-32, 46. Holotype ♂. [Mexico], Vera Cruz, Atoyac, May (*H. H. S[mith]*) / *Erpetogomphus ophibolus* Calv. TYPE ♂. P. P. Calvert det. 1905. B. C. A. Neur., p. 164. Original of pl. 7, figs. 30-32, 46.

orientalis Fraser (*Phyllogomphus*), 1957. Kimmins, 1966 : 207.

orites Laidlaw (*Anisogomphus*), 1922 : 393, figs. 13-14. Holotype ♂. Khasis; 5,000 ft., Shillong, ix.1919 (*Fletcher* coll.) / *A. orites* ♂ Type [Laidlaw's writing].

All four wings are broken basad of the nodus and two of the apical parts are missing. Currently placed in the genus *Temnogomphus*.

parvulus Selys (*Gomphus*), 1854 : 37. Holotype ♂. N. America, Nova Scotia [replacement for missing label] / *Gomphus parvulus* de Selys / *Gomphus parvulus* De Selys.

Currently placed in the genus *Lanthus*.

- pendleburyi** Laidlaw (*Leptogomphus*), 1934 : 555–556, figs. 1a, b. Holotype ♂. B[rit.] N. Borneo, Mt. Kinabalu, Kiau, 3,000 ft., 5.iv.1929 [with on reverse] (*H. M. Pendlebury*), F.M.S. Museums / *Leptogomphus pendleburyi* Laidl[aw], ♂ Type, det. D. E. Kimmins.
- pinheyi** Fraser (*Nepogomphoides*), 1952. Kimmins, 1966 : 209.
- plagiatus** Selys (*Gomphus*), 1854 : 57. Holotype ♂. United States [replacement label] / *Gomphus plagiatus* de Selys / *Gomphus plagiatus* De Selys ♂.
Currently placed in the genus *Stylurus*.
- platyceps** Fraser (*Gomphidia*), 1953. Kimmins, 1966 : 209.
- praetorius** Selys (*Gomphus*), 1878 : 106. LECTOTYPE ♂. Transvaal / *Gomphus praetorius* Selys ♂ Transvaal / *Gomphus praetorius* Selys, ♂ Lectotype, D. E. Kimmins det. 1968.
- prasinus** Tillyard (*Austrogomphus*), 1906 : 352–353, pl. 24, fig. 3. LECTOTYPE ♂. [N. Queensland], Kuranda, i. [19]05 / *Austrogomphus prasinus* Till., ♂ TYPE, R.J.T. / *Austrogomphus prasinus* Till., ♂ Lectotype, D. E. Kimmins det. 1968.
Currently placed in the genus *Austroepigomphus*.
- pruinans** Fraser (*Heliogomphus*), 1922. Kimmins, 1966 : 210.
- pryeri** Selys (*Gomphus*), 1883 : 111. LECTOTYPE ♀. Type [McL. label] / Japan (*Pryer*) / *Gomphus* [melanops, deleted] *Pryeri* Selys ♀ Japan / *Gomphus pryeri* Selys, ♀ Lectotype, D. E. Kimmins det. 1968.
- pulcherrimus** Fraser (*Onychogomphus*), 1927. Kimmins, 1966 : 210.
- pygmaeus** Selys (*Progomphus*), 1873 : 502. Holotype ♂ (head missing). Type [McL. label] / Bogota / *Prog. pygmaeus* Selys ♂.
Currently placed in *Gomphoides*.
- quadracies** Calvert (*Epigomphus*), 1903 : 172, pl. 7, fig. 36, pl. 8, figs. 4, 5. Holotype ♂. [Guatemala], San Isidro, 1,600 ft. (*Champion*) / *Epigomphus quadracies* Calv. ♂ P. P. Calvert det. 1905. B.C.A. Neur., p. 172. TYPE, Original of pl. viii, figs. 4, 5.
- risi** Fraser (*Gomphus*), 1922. Kimmins, 1966 : 211.
- risi** Fraser (*Mesogomphus*), 1924. Kimmins, 1966 : 211.
- risi** Laidlaw (*Leptogomphus*), 1932 : 95–96, 1 fig. Holotype ♂. F.M.S., Kedah, Catchment area near Jitra, 7.iv.1928 / *Leptogomphus risi* ♂ sp. n. [Laidlaw's writing].
- rusticatus** Fraser (*Mesogomphus*), 1928. Kimmins, 1966 : 211.
- ruwenzorica** Pinhey (*Diastatomma*), 1961 : 63, pl. 3, figs. 1–3. Holotype ♂. B. Congo, Ruwenzori, Mutwanga, iii.1950 (*T. H. E. Jackson*) / *Diastatomma ruwenzorica* Pinh. Holotype.
- schmidti** Fraser (*Onychogomphus*), 1937. Kimmins, 1966 : 213.
- scissus** McLachlan (*Gomphus*), 1896 : 367–368. Holotype ♀. Szechuen, Siao-Lou / *Gomphus scissus* McL. Type.
Currently placed as *Sinogomphus*.
- seductus** Fraser (*Macrogomphus*), 1926. Kimmins, 1966 : 212.
- seimundi** Laidlaw (*Burmagomphus*), 1931 : 212–214. LECTOTYPE ♂. F.M.S., Kuala Tahan, 350 ft., iii.1921 (*E. Seimund*) / *Burmagomphus seimundi* ♂ Type [type written] / *Burmagomphus seimundi* Laidlaw, ♂ Lectotype, det. D. E. Kimmins, 1968.
- senchalensis** Fraser (ssp. *Davidius aberrans*), 1926. Kimmins, 1966 : 213.
- siamensis** Fraser (*Burmagomphus*), 1926. Kimmins, 1966 : 213.
- sinuatus** Fraser (*Burmagomphus*), 1933. Kimmins, 1966 : 213.
- sipedon** Calvert (*Erpetogomphus*), 1905 : 165–166, pl. 7, figs. 34, 40, 42. Holotype ♀. [Mexico], Guadalajara, Jalisco, vii (*Schumann*) / *Erpetogomphus sipedon* Calv. TYPE ♀ (Form a), P. P. Calvert, det. 1905. B.C.A. Neur. pp. xxx, 166. Orig. of Pl. vii, ff. 34, 40.

smithi Selys (*Heterogomphus*), 1854 : 29. Lectotype ♂ (Fraser, 1934 : 296). Silhet / Gomphus? smithii De Selys ♂ / Heterogomphus smithi Selys, ♂ Lectotype (Fraser, 1934).

Currently placed in the genus *Megalogomphus*. This specimen for many years carried a BM Holotype label, but this was incorrect since Selys had more than one example and did not specify a type. I consider Fraser's statement (1934 : 296) 'The type is a male from Sylhet, in the British Museum . . .' as equivalent to a lectotype designation.

sobrinus Selys (*Gomphus*), 1873 : 745. Holotype ♂. California (*Edwards*) / Type [McL. label] / Gomphus sobrinus Selys ♂.

sordida Selys (*Cyclophylla*), 1854 : 78. Holotype ♂. Para / Gomph. sordidus De Selys / Cyclophylla sordida.

Currently placed in the genus *Cyclophylla*.

souleri Fraser (ssp. *Microgomphus torquatus*), 1924. Kimmins, 1966 : 214.

spectabilis Campion (*Zonophora*), 1920 : 138-140, pl. 7, fig. 15. Holotype ♂. Paraguay, Sapucaí (*W. Foster*) / 64 / Zonophora spectabilis Campion, Holotype, determined by H. Campion.

[**stevensi** Fraser (*Davidius*), 1923. Kimmins, 1966 : 214, type not traced.]

striatus Fraser (*Onychogomphus*), 1924. Kimmins, 1966 : 214.

styx Pinhey (n. n. for *Onychogomphus nigrescens* Pinhey, 1952), 1961 : 87. Holotype ♂. Uganda, Fort Portal, Bwamba Forest, 2,400 ft., iv. 1951 (*E. Pinhey*) / Onychogomphus nigrescens Pinh. HOLOTYPE / Onychogomphus styx Pinhey, ♂ Holotype, D. E. Kimmins det. 1968.

subobtusus Selys (*Epigomphus*), 1878 : 467-468. Syntype ♂. Irazu, 6-7,000 ft. (*H. Rogers*) / Epigomphus subobtusus Selys ♂, Irazu / Epigomphus subobtusus Selys, P. P. Calvert det. 1906, B.C.A. Neur., p. 172.

As this example is incomplete and there is another complete syntype ♂ in the Muséum national d'Histoire naturelle, Paris, I have refrained from designating a lectotype.

superbus Fraser (*Megalogomphus*), 1931. Kimmins, 1966 : 215.

tamaracherriensis Fraser (ssp. *Merogomphus longistigma*), 1931. Kimmins, 1966 : 215.

tenaculatus Fraser (*Libyogomphus*), 1926. Kimmins, 1966 : 216.

thomassoni Kirby (*Aeshna*), 1900 : 534-535, fig. Holotype ♂. Hainan, 5-fingered Mt., (J. T. Thomasson), (with on reverse), Aeshna thomassoni [W.F.K.] / Aeshna thomassoni Kb., Holotype ♂, D. E. Kimmins det. 1968.

Currently placed in *Nihonogomphus*. The abdominal segments 6-10 are missing. The collector's name should be given as J. Whitehead, J. Thomasson being the donor.

thoracicus McLachlan (*Macrogomphus*), 1884 : vii. Holotype ♀. Type [McL. label] / [Malacca], Perak / Macrogomphus thoracicus, McL.

torquatus Selys (*Cyclogomphus*), 1854 : 63. Holotype ♀. Ind[ia] / Gomphus torquatus De Selys ♀ / Cyclog. torquatus de Selys.

tonkinicus Fraser (*Onychogomphus*), 1926. Kimmins, 1966 : 216.

tumefactus Calvert (*Epigomphus*), 1903 : 170, 172, pl. 8, figs. 6, 7. Holotype ♂. Costa Rica, Caché (*Rogers*) / Epigomphus tumefactus Calv., P. P. Calvert det. 1905. B. C. A. Neur., p. 172. TYPE. Original of pl. viii, figs. 6, 7.

tumens Calvert (? *Cyanogomphus*), 1905 : 169, pl. 7, figs. 11, 11a, 41. Holotype ♀. [Mexico], Vera Cruz, Atoyac, v (*H. H. S[mith]*). / Cyanogomphus(?) tumens Calv., P. P. Calvert, det. 1905. B. C. A. Neur., p. 169. TYPE, Original of pl. 7, figs. 11, 11a, 41.

v-flavum Fraser (*Burmogomphus*), 1926. Kimmins, 1966 : 217.

viridior Pinhey (*Paragomphus*), 1961 : 84, pl. 6, fig. 3. Holotype ♂. Uganda, Fort Portal Rd, Mubende, iv. 1951 (*E. Pinhey*) / *Paragomphus* sp. Markings of *P. hageni*. Anal apps. of *P. moka*, Genitalia of *elpidius* [Fraser's writing] / *Paragomphus viridior* Pinh., 1956. TYPE ♂.

- volsella** Calvert (*Gomphoides*), 1905 : 156, pl. 7, figs. 10, 10a, 13, 14. Holotype ♂. [Mexico], Tabasco, Teapa, iv. (*H. H. S[mith]*) / *Gomphoides volsella* Calv., ♂ TYPE, P. P. Calvert det. 1905. B. C. A. Neur., p. 156, Original of pl. 7, figs. 10, 10a, 13, 14.
Currently placed in the genus *Negomphoides*.
- walli** Fraser (*Heliogomphus*), 1925. Kimmins, 1966 : 218.
- walli** Fraser (*Onychogomphus*), 1924. Kimmins, 1966 : 218.
- wheeleri** Fraser (*Gomphidictinus*), 1942. Kimmins, 1966 : 218.
- wilkinsi** Fraser (*Cyclogomphus*), 1926. Kimmins, 1966 : 218.
- williamsoni** Fraser (*Gomphidia*), 1923. Kimmins, 1966 : 218.
- williamsoni** Laidlaw (*Leptogomphus*), 1912 : 94-95. Holotype ♂. Borneo, Sarawak, Madihit, 2,000 ft., 4.vi.1911 (*J. C. Moulton*) / *Leptogomphus williamsoni* ♂ Type, 4.vi.11.
- wynaadicus** Fraser (*Macrogomphus*), 1924. Kimmins, 1966 : 219.
- ypsilon** Selys (*Cyclogomphus*), 1854 : 62. Lectotype ♂ (by designation of Fraser, 1934 : 182). N. India / *Gomphus globifer* De Selys ♂ / *Cyclog. ypsilon* de Selys.
This specimen has for many years carried a BM Holotype label. This has now been replaced by a Lectotype label, as I consider that Fraser's statement '*Type*, a male in the British Museum; a paratype in the Selys collection . . .' is in effect a selection of lectotype.

CORDULEGASTERIDAE

- brevistigma** Selys (*Cordulegaster*, sg. *Thecagaster*), 1854 : 103. LECTOTYPE ♂. N. India, 49-52 [label replaced] / *Corduleg. brevistigma* De Selys, a renvoyer / *Cordulegaster brevistigma* Selys, ♂ Lectotype, D. E. Kimmins det. 1968.
Fraser (1929 : 118) is incorrect in stating that there were 4 ♂ in BM(NH); this should be 3 ♂, 1 ♀. The specimen here designated lectotype has for many years been labelled holotype.
- campioni** Fraser (*Orogomphus*), 1924. Kimmins, 1966 : 185.
- folia** Fraser (ssp. of *Cordulegaster brevistigma*), 1929. Kimmins, 1966 : 192.
- gigantica** Fraser (*Anotogaster*), 1924. Kimmins, 1966 : 194.
- godmani** McLachlan (*Cordulegaster*), 1878 : 34. LECTOTYPE ♂. [Costa Rica], Irazu, 6-7,000 ft. (*H. Rogers*) / Type [McL. label] / *Cordulegaster Godmani* McL. / *Cordulegaster godmani* McL., P. P. Calvert det. 1905. B. C. A. Neur. p. 174 / *Cordulegaster godmani* McL., ♂ Lectotype, D. E. Kimmins det. 1968.
- hermionae** Fraser (*Allogaster*), 1927. Kimmins, 1966 : 195.
- kimminsi** Fraser (*Chlorogomphus*), 1940. Kimmins, 1966 : 199.
- klossi** Fraser (*Anotogaster*), 1919. Kimmins, 1966 : 199.
- maculatus** Selys (*Cordulegaster*), 1854 : 105. Holotype ♀. Georgia / *Corduleg. maculatus* de Selys / *Cordulegaster maculatus* De Selys / *Cord. maculatus* De Selys ♀.
- nipalensis** Selys (*Cordulegaster* sg. *Anotogaster*), 1854 : 102-103. Lectotype ♂ (by designation of Fraser, 1929 : 89). Nepal, Hardwicke Bequest / *Nepalensis* De Selys ♂ / *Cordulegaster Nipalensis* De Selys / *Anotogaster nipalensis* Selys, Lectotype. Fraser, 1929.
This example has for many years been labelled holotype, but Selys did not so indicate it. Fraser (1929 : 89) in effect designated the BM(NH) example as lectotype in his statement 'coll. BM. 1 ♂, the type'.
- olympicus** Fraser (*Chlorogomphus*), 1933. Kimmins, 1966 : 207.
- palampurensis** Fraser (ssp. of *Anotogaster basalis*), 1929. Kimmins, 1966 : 208.
- preciosus** Fraser (*Chlorogomphus*), 1934. Kimmins, 1966 : 210.

sayi Selys (*Cordulegaster*), 1854 : 104. Lectotype ♂ (Fraser, 1929 : 136). Georgia [label much blackened] / Cord. Sayi De Selys / Cordulegaster Sayi De Selys / Cordulegaster sayi Selys, ♂ Lectotype, Fraser, 1929.

Fraser's statement (1929 : 136) 'Coll. Br. Mus., 1 ♂ (the type)' is equivalent to a designation of lectotype.

selysi Fraser (*Chlorogomphus*), 1929. Kimmins, 1966 : 213.

xanthoptera Fraser (*Orogomphus*), 1919. Kimmins, 1966 : 219.

PETALURIDAE

carovei White (*Petalura*), 1843 : 281-281. Holotype ♂. New Zealand / *Petalura* Carovei White, New Zealand (*Sinclair*).

Currently placed in the genus *Uropetala*. Fraser (1933 : 237) is in error in stating that the type is in the Selys Collection, and he has omitted the reference to the original description.

ingentissima Tillyard (*Petalura*), 1907 : 715-718, pl. 23, figs. 1, 3, 4. LECTOTYPE ♂. [North Queensland], Herberton, i.[19]07 / *Petalura* ingentissima Till., ♂ TYPE, R.J.T. / *Petalura* ingentissima Till., ♂ Lectotype, D. E. Kimmins det. 1968.

pulcherrima Tillyard (*Petalura*), 1913 : 582-584, pl. 52, figs. 11-14. LECTOTYPE ♂. N. Queensland, Cooktown, i.[19]08 (*R. J. Tillyard*) / *Petalura* pulcherrima Till., ♂ TYPE, R.J.T. / *Petalura* pulcherrima Till., ♂ Lectotype, D. E. Kimmins det. 1968.

AESHNIDAE

albistyla Fraser (*Gynacantha*), 1927. Kimmins, 1966 : 177.

anacantha Tillyard (*Austroaeschna*), 1908 : 732-735, pl. 35, figs. 7-10, pl. 36, fig. 4. LECTOTYPE ♂. W. Australia, Bridgetown, i.[19]07 (*R. J. Tillyard*) / *Austroaeschna* anacantha Till., ♂ TYPE, R.J.T. / *Austroaeschna* anacantha Till., ♂ Lectotype, D. E. Kimmins det., 1968.

apicalis Fraser (*Gynacantha*), 1924. Kimmins, 1966 : 178.

asthenes Tillyard (*Telephlebia*), 1916 : 41-42, pl. 4, fig. 4, pl. 8, figs. 16, 24, 26, 32. Holotype ♀. S. Queensland, Killarney, 8.i.[19]14 (*E. J. Dumigan*) / *Telephlebia* asthenes Till., ♀ TYPE, R.J.T.

A second, damaged ♀ from Mt. Tambourine, S. Queensland is excluded by Tillyard from the type-series, leaving the above specimen as holotype.

auriculata Tillyard (*Archipetalia*), 1917 : 455-459, text-figs. 1-3. LECTOTYPE ♂. [N.W.] Tas[mania], Cradle Mt., [3,000-4,000 ft.], 18.i[19]17 (*R. J. Tillyard*) / *Archipetalia* auriculata Till., TYPE ♂, R.J.T. / *Archipetalia* auriculata Till., ♂ Lectotype, D. E. Kimmins det. 1968.

bainbriggei Fraser (*Gynacantha*), 1922. Kimmins, 1966 : 181.

bakeri Champion (*Tetracanthagyna*), in Laidlaw, 1928 : 129-131, text-fig. 1. Holotype ♂. Philippines, Luzon, Mt. Makiling (*G. F. Baker*) / *Tetracanthagyna* bakeri Champion, ♂ Holotype [DEK writing].

bangweuluensis Kimmins (*Anax*), 1965 : 110-111, fig. 2. Holotype ♂. N. Rhodesia, Lake Bangweulu, Kapola, N. of Kapata, 27.x.1946 (*M. Steele*) / *Anax* Bangweuluensis Kimmins, ♂ Type, D. E. Kimmins det. 1955.

biharica Fraser (*Gynacantha*), 1927. Kimmins, 1966 : 182.

brevicauda Tillyard (ssp. *Telephlebia godeffroyi*), 1916 : 34-36, pl. 3, fig. 3. LECTOTYPE ♂ Vic[toriana], [Mount] Macedon, i.[19]06 (*G. Lyell*) / *Telephlebia* godeffroyi brevicauda Till., TYPE ♂, R.J.T. / *Telephlebia* godeffroyi brevicauda Till., ♂ Lectotype, D. E. Kimmins det. 1968.

- brunnea** McLachlan (*Tetracanthagyna*), 1898 : 443. LECTOTYPE ♀. North Borneo (*Waterstradt*) / *Tetracanthagyna brunnea* McLach. Type / *Tetracanthagyna brunnea* McL. ♂ Lectotype. D. E. Kimmins det. 1968.
- calliope** Lieftinck (*Gynacantha*), 1953 : 260–262, fig. 10. Holotype ♂. N. Dutch New Guinea, Waigeu, Camp Nok, 2,500 ft., iv.1938 (*L. E. Cheesman*) / *Gynacantha calliope* Lieft., ♂ holotype.
Currently placed in the genus *Acanthagyna*.
- calverti** Kimmins (*Neuraeschna*), 1951 : 43046, figs. 1–4. Holotype ♂. E. Peru / *Neuraeschna calverti* Kimmins, ♂ Type, D. E. Kimmins det. 1950.
- chelifera** McLachlan (*Gynacantha*), 1896a : 416–417. Holotype ♂. Rio de Janeiro / 198 / Type [McL. label] / *Gynacantha chelifera* Selys ♂ / *Gynacantha chelifera* McL. Type.
Currently placed in the genus *Acanthagyna*.
- conspersa** Tillyard (*Caliaeschna*), 1907a : 727–729, pl. 68, figs. 3a, 3d. LECTOTYPE ♂. N[ew] S[outh] W[ales], Mittagong, iii.[19]05 (*R. J. Tillyard*) / *Caliaeschna conspersa* Till., ♂ TYPE, R.J.T. / *Caliaeschna conspersa* Till., ♂ Lectotype, D. E. Kimmins det. 1968.
Currently placed in *Dendroaeschna*.
- cyclops** Tillyard (ssp. of *Telephlebia godeffroyi*), 1916 : 36, pl. 3, figs. 4–5, pl. 4, fig. 3. LECTOTYPE ♂. N[ew] S[outh] W[ales], Dorrigo, 15.xi.[19]11 (*R. J. Tillyard*) / *Telephlebia godeffroyi cyclops* Till., TYPE ♂, R.J.T. / *Telephlebia godeffroyi cyclops* Till., ♂ Lectotype, D. E. Kimmins det. 1968.
- cynthiae** Fraser (*Heliaeschna*), 1939 : 89, fig. 1a. Holotype ♂. Type / H. cynthiae. Entebbe, L. Victoria, Uganda, 5.xi.[19]27 (*Hale-Carpenter*).
This species was unfortunately omitted during re-typing the manuscript of my Fraser Types paper (Kimmins, 1966), although the title of the paper was given in the list of references.
- donaldi** Fraser (*Anaciaeschna*), 1922. Kimmins, 1966 : 189.
- elliotti** Kirby (*Aeshna*), 1896 : 124–125. LECTOTYPE ♂. Ruwenzori, 6–8,000 ft., xii (*Scott Elliot*) / *elliotti* Kirb. type / *Aeshna elliotti* Kirby, ♂ lectotype, D. E. Kimmins det. 1968.
- erythromelas** McLachlan (*Aeschna*), 1896a : 419–421. Holotype ♀. N.W. India / Sabathu, [near Simla], 12.vii [18]88 / *Aeschna erythromelas* McL., Type.
- flavomaculata** Tillyard (ssp. of *Austroaeschna parvistigma*), 1916 : 47–49. Holotype ♂. N[ew] S[outh] W[ales], [Mt] Kosciusko, [5,000 ft.], 23.i.[19]14 (*A. J. Turner*) / *Austroaeschna parvistigma* Selys *flavomaculata* n. subsp. ♂ TYPE, R.J.T.
- fletcheri** Fraser (*Petaliaeschna*), 1927. Kimmins, 1966 : 192.
- forcipata** Tillyard (?*Planaeschna*), 1907a : 726–727, pl. 68, figs. 1a, 1b. LECTOTYPE ♂. N. Q[ueensland], Kuranda, i.[19]05 (*R. J. Tillyard*) / *Austroaeschna forcipata* Till., ♂ TYPE, R.J.T. / *Austroaeschna forcipata* (Till.), ♂ Lectotype, D. E. Kimmins det. 1968.
Currently placed in *Austroaeschna*.
- hardyi** Tillyard (*Austroaeschna*), 1917 : 461–462, pl. 23, figs. 5–6. LECTOTYPE ♂. [N.W.] Tas[mania], Cradle Mt., 16.i.[19]17 (*R. J. Tillyard*) / *Austroaeschna hardyi* Till., TYPE ♂, R.J.T. / *Austroaeschna hardyi* Till., ♂ Lectotype, D. E. Kimmins det. 1968.
- huonensis** Fraser (*Anaciaeschna*), 1926. Kimmins, 1966 : 196.
- inarmata** Kimmins (*Neuraeschna*), 1951 : 46–48, figs. 8–9. Holotype ♂. British Guiana, New River, 750 ft., 20.i–23.iii.1938 (*C. A. Hudson*) / *Neuraeschna inarmata* Kim., ♂ Holotype, D. E. Kimmins det. 1950.
- incisura** Fraser (*Gynacantha*), 1935. Kimmins, 1966 : 196.
- intersedens** Martin (*Austroaeschna*), 1909 : 101, pl. 4, fig. 14. LECTOTYPE ♂. Khasia Hills / *Planaeschna intersedens* ♂ Khasia [Selys' writing] / *Austroaeschna intersedens* Martin, ♂ Lectotype, D. E. Kimmins det. 1968.

khasiaca McLachlan (*Gynacantha*), 1896a : 411-413. LECTOTYPE ♂. Khasia Hills / *Gynacantha khasiaca* McL. Type / *Gynacantha khasiaca* McL., ♂ Lectotype, D. E. Kimmins det. 1968.

Currently placed in *Acanthagyna*.

libyana Fraser (*Gynacantha*), 1928. Kimmins, 1966 : 201.

longfieldae Gambles (*Heliaeschna*), 1967 : 200. Holotype ♀. Mt. Cameroon, 1st Plateau, 12. i. 1932 (*M. Steele*) / *Heliaeschna* sp. n. ♀, det. Miss C. Longfield / *Heliaeschna longfieldae* Gambles, Holotype ♀, D. E. Kimmins det. 1968.

longfieldae Kimmins (*Coryphaeschna*), 1929 : 489-493, 2 figs. Holotype ♂. Brazil, Matto Grosso, Chapada, N.E. of Cuyabá, Burity, 2,850 ft., 19. vi. 1927 (*C. E. Longfield*) / *Coryphaeschna longfieldae* Kimmins ♂ Type, det. D. E. Kimmins, 1929.

Currently placed in the genus *Castoraeschna*.

lytoni Fraser (*Gynacantha*), 1926. Kimmins, 1966 : 202.

maclachlani Selys (*Fonscolombia*), 1883 : 126-127. Holotype ♂. Japan (*Pryer*) / 115 / *Fonscolombia Maclachlani* Selys ♂ Japon.

Currently placed in the genus *Boyeria*.

millardi Fraser (*Gynacantha*), 1920. Kimmins, 1966 : 204.

milnei Selys (*Austroaeschna*), 1883 : 120-121. Holotype ♀. Japan (*Lewis*) / *Aeschna Milnei* Selys, Japon, ♀ Type.

Currently placed in the genus *Planaeschna*.

minuscula McLachlan (*Aeschna*), 1896a : 421-422. LECTOTYPE ♂. Cape [of] Good Hope / *Aeschna minuscula* McL. Type / *Aeschna minuscula* McL. ♂ Lectotype, D. E. Kimmins det. 1968.

nigeriensis Gambles (*Acanthagyna*), 1956 : 194-196, 6 text-figs. Holotype ♂. S. Nigeria, Vom, 15. iv. 1949 (*R. M. Gambles*) / *Acanthagyna nigeriensis* Gambles in MS, with on reverse, Type ♂.

nigrolineatus Fraser (*Anax*), 1835. Kimmins, 1966 : 206.

nocturnalis Fraser (*Periaeschna*), 1927. Kimmins, 1966 : 207.

ornithocephala McLachlan (*Aeschna*), 1896 : 368-370. Holotype ♂. [E. Tibet], Moupin / *Aeschna ornithocephala* McL. Type.

patricia Tillyard (*Phyllopetalia*), 1909 : 699-701, pl. 55, fig. 3. LECTOTYPE ♀. N[ew] S[outh] W[ales], Blue Mts., [Leura], xi. [19]03 (*G. A. Waterhouse*) / *Phyllopetalia patricia* Till., ♀ TYPE, R.J.T. / *Phyllopetalia patricia* Till., ♀ Lectotype, D. E. Kimmins det. 1968.

Currently placed in the genus *Austropetalia*, this species was first recorded from two females with data as above under the name '*Petalia apollo* Selys'. It was then re-named *Phyllopetalia patricia* Tillyard, with the same two specimens as type-series.

perrensi McLachlan (*Aeschna*), 1887 : 76-77. Holotype ♂, Type [McL. label] / [Argentine Republic], Corrientes, [Goya] (*Perrens*) / *Aeschna Perrensi* McLach.

Currently placed in the genus *Coryphaeschna*.

pestilens McLachlan (*Hypopetalia*), 1870 : 171-172. Holotype ♂. Type [McL. label] / Chili (*Reade*) / *Hypopetalia pestilens* McL.

plagiata Waterhouse (*Gynacantha*), 1877 : x; 1878 : 119-120, pl. 4. Holotype ♀. *Tetracanthagyna plagiata* (Waterh.). *Genotype*, collected in N.E. Borneo by Sir Hugh Low, between 1848 and 1877. See letter from C. F. Cowan on file and *Trans. ent. Soc. Lond.* 1878 : 119.

Now placed in *Tetracanthagyna*. The thorax of the type is in fragments, which have been mounted, with the head, wings and abdomen on a card.

producta Kimmins (*Neuraeschna*), 1933 : 226-228, 2 figs. Holotype ♂. Peru, Iquitos, Mishuyacu, 6. ix. 1930 (*Katzenbach*) / *Neuraeschna producta* sp. n. ♂ Type, det. D. E. Kimmins.

pustulosa Selys (*Allopetalia*), 1873 : 511-512. Holotype ♀. Type [McL. label] / *Bogota* / *Allopetalia pustulosa* Selys ♀.

quadrina McLachlan (*Gyancantha*), 1896a : 414-416. Holotype ♂. West Africa, Mahambé (*Rutherford*) / *Gyancantha quadrina* McL. Type.

Currently placed as synonym of *Acanthagyna vesiculata* (Karsch).

risi Laidlaw (*Gynacantha*), 1931 : 205-206, figs. 6-7. Holotype ♂. F.M.S., Perak, Jor Camp, 2,000 ft., 21.viii.1922 (*J. Seimund*) / *Gyancantha risi* type ♂ / *Acanthagyna risi* (Laidlaw), ♂ Holotype, D. E. Kimmins det. 1968.

Currently placed in *Acanthagyna*.

rutherfordi McLachlan (*Anax*), 1883 : 128-129. LECTOTYPE ♂. Type [McL. label] / Sierra Leone (*Rutherford*) / *Anax Rutherfordi* McL. / *Anax rutherfordi* McL. ♂ Lectotype, D. E. Kimmins det. 1968.

Currently placed as a synonym of *Anax speratus* Hagen.

scotias Pinhey (*Aeshna*), 1952 : 14, figs. 5b, c. Holotype ♂. Uganda, Matuna For[est], 20 m. W. Kampala, 10.v.1952 (*E. Pinhey*) / *Aeshna scotias* Pinh. ♂ Holotype.

sevastopuloi Pinhey (*Acanthagyna*), 1961 : 100, pl. 7, fig. 6. Holotype ♂. Uganda, 20 m. W. of Kampala, v.1952 (*E. Pinhey*) / *Gynacantha sevastopuloi* Pinh. 1955, Holotype.

The species was eventually published in the genus *Acanthagyna*.

sextans McLachlan (*Gynacantha*), 1896a : 413-414. LECTOTYPE ♂. [Cameroons], Monga-ma Lobah, No.- / *Gynacantha sextans* McL. Type / *Gynacantha sextans* McL., ♂ Lectotype, D. E. Kimmins det. 1968.

Currently placed in *Acanthagyna*.

striatus Kirby (*Anax*), 1889 : 299-300. Holotype ♀. Chili / *A. striatus* type [WFK].

Currently placed as a synonym of *Allopetalia reticulosa* Selys. Kirby was wrong in considering the type to be a male. Although the abdomen had been eviscerated, there is definitely an ovipositor present.

subpupillata McLachlan (*Aeschna*), 1896a : 422-424. LECTOTYPE ♂. [S.E. Africa] Brit[ish] Caffraria / *Aeschna subpupillata* McL., Type / *Aeschna subpupillata* McL., ♂ Lectotype, D. E. Kimmins det. 1968.

Currently placed as a synonym of *Aeschna rileyi* Calvert.

tillyardi Champion (ssp. *Telephlebia godeffroyi*), in Tillyard, 1916 : 37, 79-80. Holotype ♀. Queensland [Kuranda, near Cairns] (*F. P. Dodd*) / *Telephlebia tillyardi* Champion. Holotype.

triangulifera McLachlan (*Anaciaeschna*), 1896a : 409-411. LECTOTYPE ♂. Delagoa Bay / *Anaciaeschna triangulifera* McL. Type / *Anaciaeschna triangulifera* McL., ♂ Lectotype, D. E. Kimmins det. 1968.

I have chosen as lectotype the more mature of the two syntypes.

tryoni Tillyard (*Telephlebia*), 1917 : 459-460, pl. 23, figs. 3-4. LECTOTYPE ♂. [Queensland], Brisbane, xii.[19]01 (*T. Batchelor*) / *Telephlebia tryoni* Till., TYPE ♂, R.J.T. / *Telephlebia tryoni* Till., ♂ Lectotype, D. E. Kimmins det. 1968.

tumorifer McLachlan (*Anax*), 1885 : 250-251, 3 figs. LECTOTYPE ♂. Type [McL. label] / Madagascar (*Walter*) / *Anax tumorifer* McL. / *Anax tumorifer* McL., ♂ Lectotype, D. E. Kimmins det. 1968.

ugandica McLachlan (*Heliaeschna*), 1896a : 419. LECTOTYPE ♂. [East Central Africa] Uganda (*R. P. Denoit*) / *Heliaeschna ugandica* McL., Type / *Heliaeschna ugandica* McL., ♂ Lectotype, D. E. Kimmins det. 1968.

unifasciata Fraser (*Periaeschna*), 1935. Kimmins, 1966 : 217.

victoriae Pinhey (*Acanthagyna*), 1961 : 101, pl. 7, figs. 4, 13. Holotype ♂. Uganda, Katera [Forest], Sango Bay, x.1953 (*T. H. E. Jackson*) / *Gynacantha victoriae* Pinh. Holotype.

Published as *Acanthagyna*.

- vittata** McLachlan (*Tetracanthagyna*) 1898 : 440-442. LECTOTYPE ♂. North Borneo (*Waterstradt*) / *Tetracanthagyna vittata* McLach., Type / *Tetracanthagyna vittata* McL., ♂ Lectotype, D. E. Kimmins det. 1968.
- walsinghami** McLachlan (*Anax*), 1883 : 127-128. LECTOTYPE ♂. Type [McL. label] / N[orth] California (*Walsingham*) / *Anax walsinghami* McL. / *Anax walsinghami* McL., ♂ Lectotype, D. E. Kimmins det. 1968.
- waterhousei** McLachlan (*Tetracanthagyna*), 1898 : 443. LECTOTYPE ♀. *Tetracanthagyna Waterhousii* Selys ♀ n. sp. Borneo / *Tetracanthagyna waterhousei* McL., ♀ Lectotype, D. E. Kimmins det. 1968.
- The BM(NH) example has been selected as lectotype.

CALOPTERYGIDAE

- andersoni** McLachlan (*Mnais*), in Selys, 1873a : 472. LECTOTYPE ♂. *Mnais Andersoni* McLachl. ♂, W. Yunnan (104) / *Mnais andersoni* McL., ♂ Lectotype, D. E. Kimmins det. 1968.
- The lectotype now lacks head and left fore wing. The paralectotype ♂ has had abdominal segments 4-10 replaced by segments 6-10 of a ♀ abdomen.
- angustipennis** Selys (*Calopteryx*, sg. *Sylphis*), 1853 : 9. Holotype ♂. Georgia / *angustipennis* Selys / *Calopteryx (Sylphis) angustipennis* Selys, ♂ Holotype, D. E. Kimmins det. 1968.
- Currently placed as a synonym of *Agrion elegans* Selys. The type now lacks abdominal segments 6-10.
- apicalis** Kirby (*Neurobasis*), 1891 : 204, pl. 20, figs. 2, 2a. Holotype ♂. Ceylon, Nawalapitiya (*E. E. Green*) / *apicalis* type [WFK] / *Neurobasis apicalis* Kirby ♂ Holotype, D. E. Kimmins det. 1968.
- Placed by Fraser as a synonym of *Vestalis apicalis* Selys, but appears to be a somewhat general form of *Vestalis nigrescens* Fraser, the apices of the wings only slightly enumed. Fraser states that *nigrescens* has the labrum entirely black, but in his type the margins of the labrum are brownish. Although Kirby's name is earlier than *nigrescens* Fraser, *apicalis* Kirby is a homonym of *apicalis* Selys and *nigrescens* Fraser takes priority.
- atrocyana** Fraser (*Agrion*), 1935. Kimmins, 1966 : 180.
- atropha** Lieftinck (*Vestalis*), 1965 : 351-353, fig. 8. Holotype ♂. Sarawak, Mt. Dulit Trail, 10. viii. 1932 / Primitive forest / Oxford Univ. Exped. (*B.M. Hobby & A. W. Moore*) / *Vestalis atropha* Lieft., Holotype, det. M. A. Lieftinck, 1965.
- basilactea** Kirby (*Archineura*), 1894 : 86, figs. Holotype ♂. Foo Chow (*de La Touche*) / *Archineura basilactea* Kb. type [WFK].
- Currently placed as a synonym of *Archineura incarnata* Karsch.
- beryllae** Laidlaw (*Vestalis*), 1915 : 273. Holotype ♂. Borneo, Mt. Merinjak, [Retuh], 29. v. 1914 (*J. C. Moulton*) / *Vestalis beryllae* Laidlaw, ♂ Holotype, D. E. Kimmins det. 1968.
- The right hand wings have been removed and placed between celluloid for photographing.
- ciliata** Fabricius (*Agrion*), 1781. Campion (1917 : 447).
- confusa** Hagen (*Caliphaea*), in Selys, 1859 : 440. Holotype ♂. Nepal, Hardwicke Bequest / *Caliphaea confusa* Hagen.
- consimilis** McLachlan (*Caliphaea*), 1894 : 434-435. LECTOTYPE ♂. Type [McL. label] / [W. China], Ta-chien-lu / *Caliphaea consimilis* McL. / *Caliphaea consimilis* McL., ♂ Lectotype, D. E. Kimmins det. 1968.
- Of the two adult males listed by McLachlan, only one can now be traced, and this has been designated Lectotype. Currently placed as a synonym of *Caliphaea confusa* Selys.
- cuprea** Selys (*Hetaerina*), 1853 : 28. Holotype ♂. 16 / [Brazil], Para / *L. cuprea* Selys* / *H. cuprea* / *Lais cuprea* Selys ♂. Determined by H. Campion.

devillei Selys (**Lais**), 1880 : 1. LECTOTYPE ♂. E. Peru? / L. Devillei Selys 1880. ♂ sous le nom de Hauxwelli, 4e add. no. 30 bis, E. Perou, *vérifiée 1880* / Lais devillei Selys, ♂ Lectotype, D. E. Kimmins det. 1968.

Currently placed in the genus *Mnesarete*.

distincta Longfield (**Umma**), 1933 : 139-140, figs. 6, 13. Holotype ♂. [Zambia], Lake Tanganyika (*W. H. Nutt*) / Kambole, vii. 1895 / *Umma distincta* Longf., ♂ Holotype, D. E. Kimmins det. 1968.

electa Longfield (**Umma**), 1933 : 139, figs. 7, 14. Holotype ♂. Katanga, Kambove, 4,000-5,000 ft., 11. iv. 1907 [*S. A. Neave*] / *Umma electa* Longf., ♂ Holotype, D. E. Kimmins det., 1968.

elwesi McLachlan (**Notholestes**), 1887a : 32. Holotype ♂. Darjiling (*H. J. Elwes*) / *Notholestes Elwesi* McLach. / *Caliphaea Confusa* Hg.

The type now lacks the right fore wing.

femina Longfield (**Umma**), 1947 : 20-21. Holotype ♀. Angola, Miss. sc. suisse, 1932-1933 / Sangeve, ii. [1933] / *Umma femina* Type ♀, det. Miss C. Longfield.

fulgida Selys (**Lais**), 1879 : 365. LECTOTYPE ♂. [Ecuador], Rio Napo / L. fulgida Selys, 4 add., no. 29 bis. ♂ type, Rio Napo, *vérifiée 1880* / Lais fulgida Selys, ♂ Lectotype, D. E. Kimmins det. 1968.

The lectotype now lacks its head. Currently placed in the genus *Mnesarete*.

fumosa Longfield (**Sapho**), 1932 : 206-208, figs. 1-3. Holotype ♂. Sierra Leone, Kamagbonse, 6. iv. 1912 [*Jas. J. Simpson*] / *Sapho* sp. no. 4 [H. Champion's writing] / *Sapho fumosa* Longfield, ♂ Holotype, D. E. Kimmins det. 1968.

gloriosa McLachlan (**Sapho**), in Selys, 1873b : 611-612. LECTOTYPE ♂. Type [McL. label] / Gaboon / *Sapho gloriosa* McLach. ♂ / *Sapho gloriosa* McL., ♂ Lectotype, D. E. Kimmins det. 1968.

hauxwelli Selys (**Lais**), 1869 : 654. Holotype ♂. Upper Amazon, Pebas (*Hauxwell*) / L. Hauxwelli Selys ♂ type, 2e Add., 30 bis, Peba, *vérifiée 1880*.

Currently placed in the genus *Mnesarete*.

hetaerinoides Fraser (**Leucopteryx**), 1933. Kimmins, 1966 : 195.

icteroptera Fraser (**Mnais**), 1929. Kimmins, 1966 : 196.

imperatrix McLachlan (**Lais**), 1878a : 85-86. LECTOTYPE ♀. Type [McL. label] / Ecuador, Intaj [(*Buckley*)] / Lais imperatrix McL. / Lais imperatrix McL., ♀ Lectotype, D. E. Kimmins det. 1968.

Two of the three other examples are in BM(NH). Currently placed in the genus *Mnesarete*.

infecta Calvert (**Hetaerina**), 1901 : 38-39, pl. 2, figs. 18, 24. Holotype ♂. [Mexico], Vera Cruz, Atoyac. v (*H. H. S[mith]*) / *Hetaerina infecta* Calv. ♂ type, P. P. Calvert det. 1900. Original of figs. 18, 24, pl. 2, Neur. B. C. A.

laosica Fraser (**Calopteryx**), 1933. Kimmins, 1966 : 200.

mandarinus McLachlan (**Psolodesmus**), 1870 : 166-167. Holotype ♂. [China, Fukien], Amoy / *Psolodesmus mandarinus* McL., Type.

maxima McLachlan (**Hetaerina**), 1879 : 244. Holotype ♀. Type [McL. label] / [Costa Rica], [Mount] Irazu, 6-7,000 ft. (*H. Rogers*) / *Hetaerina maxima* McL. / *Hetaerina maxima* McLach. ♀.

melania Selys (**Vestalis**), 1873a : 474-475. LECTOTYPE ♂. Type [McL. label] / Luzon / *Vestalis melania* de Selys ♂ / *Vestalis melania* Selys, ♂ Lectotype, D. E. Kimmins det. 1968.

nigrescens Fraser (**Vestalis**), 1929. Kimmins, 1966 : 206.

oberthuri McLachlan (**Calopteryx**), 1894 : 433-434. LECTOTYPE ♂. Type [McL. label] / [W. China], Ta-chien-lu / *Calopteryx Oberthuri* McL. / *Calopteryx oberthuri* McL., ♂ Lectotype, D. E. Kimmins det. 1966.

Currently placed in the genus *Matrona*.

orichalcea McLachlan (*Sapho*), 1869 : 27-28. LECTOTYPE ♂. Type [McL. label] / [Gabon], Fernand Vaz / *Sapho orichalcea* McL. ♂ / *Sapho orichalcea* McL., ♂ Lectotype, D. E. Kimmins det. 1968.

The ♂ lectotype has the abdomen much compressed and apex of abdomen missing.

papaverina Fraser (*Hetaerina*), 1946. Kimmins, 1966 : 209.

pilula Calvert (*Hetaerina*), 1901 : 33, pl. 2, figs. 27, 35. Holotype ♂. [Mexico], Tabasco, Teapa, i (*H. H. S[mith]*) / *Hetaerina pilula* Calv., ♂ type, P. P. Calvert det. 1900. Original of figs. 27, 35, pl. 2, Neur. Biol. C. Am.

rudis Calvert (*Hetaerina*), 1901 : 40-41, pl. 2, figs. 20, 26. Holotype ♂. [Guatemala], San Geronimo, [Vera Paz], 3,000 ft. (*Champion*) / *Hetaerina rudis* Calv. ♂ type, P. P. Calvert det. 1900, Original of figs. 20, 26, pl. 2, Neur. B. C. A.

septentrionalis Selys (*Hetaerina*), 1853 : 36. Holotype ♂. Georgia / *Hetaer. septentrionalis* ♂ De Selys / *H. septentrionalis* Selys ♂*.

smaragdina Selys (*Calopteryx*), 1853 : 16. LECTOTYPE ♂. [Inde(?), Communicavit J. Stephens / *Smaragdina* De Selys / *Calopteryx atrata* Selys, det. Miss C. Longfield / *Calopteryx smaragdina* Selys, ♂ Lectotype, D. E. Kimmins det. 1968.

I have designated this specimen as lectotype rather than accept it as holotype, since Selys' measurements suggest that he had seen more than one example.

sublimbata Selys (var. of *Hetaerina occisa*), 1873b : 613. Lectotype ♂ (by designation of Calvert, 1901-08 : 35). Panama / *Het. occisa* Hag. var. *sublimbata* Selys / *Hetaerina macropus* ♂ Selys, P. P. Calvert det. 1900 / B. C. A. Neur., p. 35.

I consider that Calvert's statement (1901-08 : 35) 'Var. *sublimbata*. Hab. Panama (coll. McLachlan : 1 ♂, type of de Selys)' to be equivalent to a designation of lectotype.

titia Drury (*Libellula*), 1773 : pl. 45, fig. 5, pp. 83-84.

There is in the BM(NH), from the McLachlan collection a specimen lacking head and part of abdomen, which is labelled by McLachlan as 'Hetaerina titia Drury, believed to be *Drury's type*.' We have no record of its earlier history. Selys refers to this specimen (1873, *Bull. Acad. R. Belg.* (2) 36 : 613.

tolteca Calvert (*Hetaerina*), 1901 : 40, pl. 2, figs. 19, 25. Holotype ♂. Mexico, Jalapa (*M. Trujillo*) / *Hetaerina tolteca* Calv. ♂ type, P. P. Calvert det. 1901. Original of figs. 19, 25, pl. 2, Neur. Biol. C.-Am.

EUPHAEIDAE

alma Selys (*Epallage*), 1879 : 372. Holotype ♀. Persia, Astrabad / *Epallage alma* Selys ♀.

balica McLachlan (var. of *Euphaea lara*), 1898a : 272. Holotype ♂. Bali (*W. Doherty*) / *Euphaea Lara* Kr. var. *balica* McL.

basalis Laidlaw (*Pseudophaea*), 1915a : 32. Holotype ♂. Borneo, Mt. Kina Balu, II. ix. 1913 (*J. C. Moulton*) / *Pseudophaea basalis* Laidlaw, ♂ Type, D. E. Kimmins det. 1968.

Laidlaw designated this example as holotype by his statement 'The type-male is deposited in the British Museum [(Natural History)]'. Currently placed in the genus *Euphaea*.

bocki McLachlan (*Euphaea*), 1880 : 204-205. Holotype ♂. Type [McL. label] / Sumatra (*Bock*) / *Euphaea Bocki* McL.

cardinalis Fraser (*Pseudophaea*), 1924. Kimmins, 1966 : 185.

carissima Kirby (*Pseudophaea*), 1894a : 559-560, pl. 42, fig. 4. LECTOTYPE ♂. Ceylon, Yerbury Coll. / Haycock Hill, 27. iv. [18]92 / *carissima*, type [WFK] / *Pseudophaea carissima* Kirby, ♂ Lectotype, D. E. Kimmins det. 1968.

I have selected as lectotype the ♂ with 'two reddish-tawny appendages at the extremity of the 8th segment beneath.' These 'appendages' are in fact two discoloured threads of silk or cotton, which have been threaded through the specimen to render the abdomen less fragile. The undiscoloured ends can be seen under the head. The species is currently placed as a synonym of *Euphaea splendens* Selys.

- compar** McLachlan (*Euphaea*), 1870 : 167-168. LECTOTYPE ♂ (incomplete). Amoy / compar McL. / Euphaea compar McLachlan, ♂ Lectotype, D. E. Kimmins det. 1968.
- ethelae** Fraser (*Dysphaea*), 1924. Kimmins, 1966 : 191.
- gloriosa** Fraser (*Dysphaea*), 1938. Kimmins, 1966 : 194.
- kali** Cowley (*Bayadera*), 1936 : 447-482, 8 text-figs. Holotype ♂. Assam, Khasi Hills, N. N. Dunnai vend. / Bayadera kali sp. n. Holotype. Khasi Hills, Assam, N. N. Dunnai vd., det. J. Cowley, 1936.
- laidlawi** Kimmins (*Euphaea*), 1936 : 77-78, fig. 5c. Holotype ♂. [Sarawak], Lawas, ii.1896 (Everett Coll.) / Euphaea laidlawi sp. n., det. D. E. Kimmins.
- lombockensis** McLachlan (var. of *Euphaea lara*), 1898a : 272-273. LECTOTYPE ♂. Type [McL. label] / Lombok, Sapit, 2,000 ft., iv.1896 (*H. Fruhstorfer*) / Euphaea Lara, Kr., var. Lombockensis McL. / Euphaea lara, var. lombockensis McL. ♂ Lectotype, D. E. Kimmins det. 1968.
- longicauda** Fraser (*Bayadera*), 1928. Kimmins, 1966 : 201.
- ornata** Champion (*Pseudophaea*), 1924 : 174-175. Holotype ♂. Hainan, 5-fingered Mt. (J. T. Thomasson) / Pseudophaea ornata Champion, ♂ Holotype. Determined by H. Champion. Currently placed in the genus *Euphaea*. The specimen was collected by J. Whitehead, J. T. Thomasson being the donor.
- subnodalis** Laidlaw (*Pseudophaea*), 1915a : 31-32. Holotype ♂. Borneo, Mt. Kina Balu, ix-x.1913 (J. C. Moulton) / Euphaea subnodalis ♂ Type [in Laidlaw's writing] / Pseudophaea subnodalis Laidlaw ♂ Type, D. E. Kimmins det. 1968.
The label giving the precise date of capture is no longer available. The holotype was designated by Laidlaw's statement 'The type-male and the female described above will be deposited in the British Museum [(Nat. Hist.)]'. Currently placed in the genus *Euphaea*.
- subplatystyla** Fraser (*Anisopleura*), 1934. Kimmins, 1966 : 215.
- superba** Kimmins (*Euphaea*), 1936a : 147-149, figs. 1-4. Holotype ♂. Tonkin / Euphaea superba sp. n. ♂, det. D. E. Kimmins.
- walli** Fraser (*Dysphaea*), 1927. Kimmins, 1966 : 218.

AMPHIPTERYGIDAE

- coerulescens** Tillyard (ssp. of *Diphlebia euphoeoides*), 1913a : 235-236. LECTOTYPE ♂. Q[ueensland, Mt.] Tambourine, 27.xi.[19]12 (*R. J. Tillyard*) / Diphlebia euphoeoides coerulescens Tillyd, ♂ TYPE, R.J.T. / Diphlebia euphoeoides coerulescens Tillyd, ♂ Lectotype, D. E. Kimmins det. 1968.
- [**euphoeoides** Tillyard (*Diphlebia*), 1907b : 394-398. The specimen with Tillyard's determination label, marked TYPE, is in Canberra. (Communication from J. A. L. Watson, 10.x.68) D.E.K.]
- hybridoides** Tillyard (*Diphlebia*), 1912 : 587-588, pl. 20, figs. 5, 9. LECTOTYPE ♂. [North Queensland], Kuranda, xii.[19]07 [(*F. P. Dodd*)] / Diphlebia hybridoides Till., ♂ TYPE, R.J.T. / Diphlebia hybridoides Till., ♂ Lectotype, D. E. Kimmins det. 1968.
- lestoides** Selys (*Amphipteryx*), 1853 : 67. Holotype ♂. Australasia / Amphipteryx lestoides De Selys / Amphipteryx lestoides Selys, ♂ Type, D. E. Kimmins det. 1968.
Now placed in the genus *Diphlebia*.
- loringae** Fraser (*Philoganga*), 1927. Kimmins, 1966 : 202.
- multinervosa** Fraser (*Diphlebia*), 1933. Kimmins, 1966 : 205.
- nymphoides** Tillyard (*Diphlebia*), 1912 : 588-590, pl. 20, figs. 4, 8. LECTOTYPE ♂. [New South Wales], Caroca [Rocky Creek], 17.xii.[19]10 (*R. J. Tillyard*) / Diphlebia nymphoides Till., ♂ TYPE, R.J.T. / Diphlebia nymphoides Till., ♂ Lectotype, D. E. Kimmins det. 1968.

tillyardi Fraser (ssp. of *Diphlebia lestoides*), 1956. Kimmins, 1966 : 216.

tiomanensis Laidlaw (ssp. of *Devadatta argioides*), 1934a : 102 (in key). Holotype ♂. Johore, Pulau Tioman, Sedagong, vi. 1929 / *Devadatta argioides tiomanensis* Laidl., ♂ Type, D. E. Kimmins det. 1968.

CHLOROCYPHIDAE

abbreviata Fraser (ssp. *Rhinocypha biforata*), 1928. Kimmins, 1966 : 176.

adami Fraser (*Ceylonosticta*), 1933. Kimmins, 1966 : 176.

albistigma Selys (*Rhinocypha*), 1873b : 615. Holotype ♂. Bac[Batchian] / Wallace / *Rhinocypha albistigma* Selys, ♂ Holotype, D. E. Kimmins det. 1968.

Selys noted that head and legs were missing. The type now lacks also the apex of the abdomen. Selys' statement that the type bore a label '75.a.c' is a misreading of Wallace's label 'Bac.'

anambae Laidlaw (ssp. *Rhinocypha biseriata*), 1932a : 99-100, fig. 1. LECTOTYPE ♂. Anamba Is., Telok Padang, Jimaga, 20-21.iv.[19]28 (*M. R. Henderson*) / *Rhinocypha biseriata anambae* ♂ Laidlaw / *Rhinocypha biseriata anambae* Laidlaw, ♂ Lectotype, D. E. Kimmins det. 1968.

Currently placed as a synonym of *Heliocypha biseriata* (Selys).

angolense Longfield (ssp. *Platycypha caligata*), 1959 : 27-28. Holotype ♂. S.[W.] Angola, Ongueria, 25.ix.1949. / *Platycypha caligata angolense* Type ♂, det. Miss C. Longfield.

annandalei Laidlaw (*Micromerus*), 1903 : 197-198. Holotype ♂. Malacca, [Jalor], Mabek, 24.vii.[19]01 (*Annandale*) / *Micromerus annandalei* sp. n. ♂ Type.

Currently placed as a synonym of *Libellago aurantiacus* (Selys).

armageddoni Fraser (*Chlorocypha*), 1940. Kimmins, 1966 : 179.

beatifica Fraser (ssp. *Rhinocypha perforata*), 1927. Kimmins, 1966 : 181.

beesoni Fraser (*Rhinocypha*), 1922. Kimmins, 1966 : 181.

bicolor Fraser (ssp. *Chlorocypha curta*), 1941. Kimmins, 1966 : 181.

bifenestrata Fraser (*Rhinocypha*), Kimmins, 1966 : 182.

bisignatus McLachlan (*Micromerus*), 1870 : 168-169. Holotype ♂. [Celebes] Tondano / Menado (*Wallace*) / *bisignatus* McL. / penis drawn, J. Cowley, vii.1935 / *Micromerus bisignatus* McL., ♂ Holotype, D. E. Kimmins det. 1968.

According to Bradley & Betrem, 1967, *Bull. Brit. Mus. nat. Hist. (Ent.)* 20 (7) : 292, Wallace collected in this part of Celebes vi-ix.1859. This species is currently placed in *Sclerocypha*.

caerulea Kimmins (*Rhinoneura*), 1936 : 79-81, figs. 6-7. Holotype ♂. Sarawak, Mt. Dulit, 4,000 ft., Moss forest, 22.x.1932 / (Native collector) / *Rhinoneura caerulea* sp. n. ♂ Type, det. D. E. Kimmins / penis drawn J. Cowley, viii.1935.

cancellata Selys (*Libellago*), 1879 : 383-384. LECTOTYPE ♂. Mongoma Lobah, No. 409 / *Libellago cancellata* Selys, ♂ adulte / *Libellago cancellata* Selys, ♂ Lectotype, D. E. Kimmins det. 1968.

Currently placed in the genus *Chlorocypha*.

cognata Kimmins (*Rhinocypha*), 1936 : 84-85, fig. 8. LECTOTYPE ♂. Sarawak, Mt. Dulit, Dulit Trail, 10.viii.1932. / Over stream / Primitive forest / Oxford Univ. Exp. (*B. M. Hobby* & *A. W. Moore*) / *Rhinocypha cognata* sp. n. ♂, det. D. E. Kimmins / *Rhinocypha cognata* Kimmins, ♂ Lectotype, D. E. Kimmins det. 1968.

cordosa Fraser (ssp. *Chlorocypha dispar*), 1947. Kimmins, 1966 : 187.

croceus Longfield (*Chlorocypha*), 1947 : 17-20, fig. 7. Holotype ♂. [S. Angola], Bimbi, x.1932 / Angola, Miss. sc. suisse, 1932-33 / *Chlorocypha croceus* Type ♂, det. Miss C. Longfield.

- finalis** Hagen, in Selys (*Micromerus*) 1869 : 665; Selys, 1873 : 616. Holotype ♂. Ceylon / *Micromerus finalis* (Hagen) Selys. ♂ Holotype, D. E. Kimmins det. 1968.
Currently placed in the genus *Libellago*.
- frontalis** Selys (*Rhinocypha*), 1873a : 490-491. LECTOTYPE ♂. Type [McL. label] / Moluques, Lorquin / Rh. frontalis de Selys [Selys' writing] / *Rhinocypha frontalis* de Selys, ♂ Lectotype, D. E. Kimmins det. 1968.
This specimen was part of the McLachlan collection.
- greeni** Laidlaw (*Micromerus*), 1924 : 352-354, fig. 5. Holotype ♂. Ceylon, Central Province, Peradeniya, 10.vii.1910 (*E. E. Green*) / Type ♂ greeni [Laidlaw's writing] / *Micromerus greeni* Laidlaw, ♂ Type, D. E. Kimmins det. 1968.
Currently placed in the genus *Libellago*.
- greenwayi** Pinhey (*Platycypha*), 1950 : 18-22, fig. 6. Holotype ♂. T[anganyika] T[erritory], E. Usambara [Mts], Amani, iii.1950 (*E. Pinhey*) / In cop A / Holotype, *Platycypha greenwayi* E. Pinhey det. 1950.
- hemihyalina** Fraser (ssp. *Rhinocypha quadrimaculata*), 1922. Kimmins, 1966 : 195.
- hilaryae** Fraser (*Rhinocypha*), 1927. Kimmins, 1966 : 195.
- indicus** Fraser (ssp. *Micromerus lineatus*), 1926. Kimmins, 1966 : 197.
- inyangae** Pinhey (ssp. *Platycypha fitzsimonsi*), 1958 : 106-107, figs. 3a, 5(1). LECTOTYPE ♂. S. Rhodesia, Inyanga Dist., Nyererwe River, 25.xi.1951 / Type ♂, *Platycypha fitzsimonsi inyangae* Pinh. 1956/*Platycypha fitzsimonsi*, Pinhey, ♂ Lectotype, D. E. Kimmins det. 1968.
- jacksoni** Pinhey (*Chlorocypha*), 1952 : 13-14, fig. 5d-g. Holotype ♂. Uganda, Kigezi Distr., Mafuga Forest, i.1952 (*T. H. E. Jackson*) / *Chlorocypha jacksoni* Pinh. Holotype.
- javana** Laidlaw (ssp. *Melanocypha snellemani*), 1950 : 274-276, figs. 7-8. Holotype ♂. Java, Preangan, Ledru / *Melanocypha snellemani javana* Laidlaw (Mss) / Type ♂.
- laidlaw** Fraser (*Rhinocypha*), 1924. Kimmins, 1966 : 200.
- lombockensis** McLachlan (*Libellago*), 1898a : 273-274. LECTOTYPE ♂. Type [McL. label] / Lombok, Sapit, 2,000 ft., iv.1896 (*H. Fruhstorfer*) / *Libellago lombockensis* McL. / *Libellago lombockensis* McL., ♂ Lectotype, D. E. Kimmins det. 1968.
Currently placed as a synonym of *Rhinocypha pagenstecheri* Foerster.
- monochroa** Selys (*Rhinocypha*), 1873 : 614-615. LECTOTYPE ♂. Celebes / *Rhinocypha monochroa* Selys, ♂ Lectotype, D. E. Kimmins det. 1968.
The lectotype ♂ is the example which has for many years carried a BM type-label. Two examples from the McLachlan collection, labelled 'Type' by him, cannot be syntypes, as the original description mentions only six examples in BM(NH).
- moultoni** Laidlaw (*Rhinocypha*), 1915a : 35-37. LECTOTYPE ♂. Borneo, Kina Balu, 1.x.1913 (*J. C. Moulton*) / *Rhinocypha moultoni* Type ♂, penis drawn, J. Cowley, viii.1935 / *Rhinocypha moultoni* Laidlaw, ♂ Lectotype, D. E. Kimmins det. 1968.
Although Laidlaw labelled this specimen 'Type ♂', he gave no published designation of type-specimen from the type-series.
- pelops** Laidlaw (*Rhinocypha*), 1936 : 60-61, pl. 1, fig. 1. Holotype ♂. Perak, Gunong Kledang, 2,646 ft., xi.1916 / *Rhinocypha pelops* sp. n., Holotype ♂. / Penis drawn, J. Cowley, viii.1935.
- radix** Longfield (ssp. *Chlorocypha glauca*), 1959 : 28-29, fig. 4b. Holotype ♂. [S.] Nigeria, Ado Ekiti, 19.iii.1954 (*R. M. Gambles*) / *Chlorocypha glauca radix* Type ♂, det. Miss C. Longfield.
- rufescens** Selys (*Micromerus*), 1873b : 617-618. LECTOTYPE ♂. Celebes or Menado / Wings in slide cabinet / Penis drawn, J. Cowley, viii.1934 / *Micromerus rufescens* Selys, ♂ Lectotype, D. E. Kimmins det. 1968.

This is the specimen referred to as the holotype by Cowley (1937 : 5, fig. 11). Currently placed in the genus *Libellago*.

semiotopacus Selys (*Micromerus*), 1873b : 617. Holotype ♂. Sar[awak] 85 / *Micromerus semiotopacus* Selys, ♂ Holotype, D. E. Kimmins det. 1968.

Currently placed in the genus *Libellago*.

tenuis Longfield (*Chlorocypha*), 1936 : 468-470, figs. 1a-d. Holotype ♂. Central Africa, Uganda, Toro Distr., Kibale Forest, 2.iii.1934, near river (C. E. Longfield) / 221 / *Chlorocypha tenuis* sp. nov. Type ♂, det. Miss C. Longfield.

villosipes Laidlaw (*Rhinoneura*), 1915a : 33-35, figs. 4, 5. Holotype ♂. Borneo (J. C. Moulton) / *Rhinoneura villosipes* ♂ Laidlaw Type. Kina Balu, Borneo, 6.ix.1913 (J. C. Moulton) / Penis drawn, J. Cowley, viii.1935.

vitrinella Fraser (*Rhinocypha*), 1935. Kimmins, 1966 : 218.

whiteheadi Kirby (*Rhinocypha*), 1900 : 536-537, pl. 12, fig. 4. LECTOTYPE ♂. Hainan, 5-fingered Mt., J. T. Thomasson / *Rhinocypha Whiteheadi* Kb. Type / *Rhinocypha whiteheadi* Kirby, ♂ Lectotype, D. E. Kimmins det. 1968.

Currently placed in the genus *Heliocypha*, as a synonym of *H. perforata* (Percheron). It may be noted that, although J. T. Thomasson's name appears on the locality label, he was in fact the donor of the material, the collector being John Whitehead.

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